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Environment Westing S TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Phoenix 4625 East Cotton Ctr Blvd Suite 189 Phoenix, AZ 85040 Tel: (602)437-3340

Laboratory Job ID: 550-124017-1

Client Project/Site: First Mesa Consolidated Villiages(53590)

For:

Mohave Environmental Laboratory 2580 Landon Dr Suite A Bullhead City, Arizona 86429

Attn: Sheila Poff

Mr H. Charles

Authorized for release by: 6/14/2019 10:52:09 AM

Mary Charlson, Project Manager I (602)437-3340

mary.charlson@testamericainc.com

.....LINKS

Review your project results through

Have a Question?

Visit us at: www.testamericainc.com This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Mohave Environmental Laboratory

Project/Site: First Mesa Consolidated Villiages(53590)

Glossary

TEQ

These commonly used abbreviations may or may not be present in this report. Abbreviation Listed under the "D" column to designate that the result is reported on a dry weight basis %R Percent Recovery Contains Free Liquid **CFL** Contains No Free Liquid CNF Duplicate Error Ratio (normalized absolute difference) DER Dilution Factor Dil Fac Detection Limit (DoD/DOE) Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample DL, RA, RE, IN Decision Level Concentration (Radiochemistry) DLC Estimated Detection Limit (Dioxin) **EDL** Limit of Detection (DoD/DOE) LOD Limit of Quantitation (DoD/DOE) LOQ Minimum Detectable Activity (Radiochemistry) MDA Minimum Detectable Concentration (Radiochemistry) MDC Method Detection Limit MDL Minimum Level (Dioxin) ML. Not Calculated NC Not Detected at the reporting limit (or MDL or EDL if shown) ND PQL Practical Quantitation Limit Quality Control QC. Relative Error Ratio (Radiochemistry) RER Reporting Limit or Requested Limit (Radiochemistry) RL Relative Percent Difference, a measure of the relative difference between two points RPD Toxicity Equivalent Factor (Dioxin) TEF Toxicity Equivalent Quotient (Dioxin)

Eurofins TestAmerica, Phoenix

Job ID: 550-124017-1

Case Narrative

Client: Mohave Environmental Laboratory

Project/Site: First Mesa Consolidated Villiages(53590)

Job ID: 550-124017-1

Laboratory: Eurofins TestAmerica, Phoenix

Narrative

Job Narrative 550-124017-1

Comments

No additional comments.

Receipt

The samples were received on 6/6/2019 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.2° C.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Eurofins TestAmerica, Phoenix 6/14/2019

Job ID: 550-124017-1

Sample Summary

Client: Mohave Environmental Laboratory

Project/Site: First Mesa Consolidated Villiages(53590)

Job ID: 550-124017-1

Lab Sample ID Client Sample ID Matrix Solicotts 550-124017-1 EP001 West Well #5 (53590-01) Drinking Water 06/04/19 08:43 06/06/19 09:30							
550-124017-1 EP001 West Well #5 (53590-01) Drinking Water 06/04/19 08:43 06/06/19 09:30	Lah Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID	
		411	Drinking Water	06/04/19 08:43	06/06/19 09:30		
550-124017-2 EP002 East Well #8 (53590-02) Drinking Water 06/04/19 09:05 06/06/19 09:30		··	Drinking Water	06/04/19 09:05	06/06/19 09:30		

Eurofins TestAmerica, Phoenix

Detection Summary

Client: Mohave Environmental Laboratory

Analyte

Arsenic

Project/Site: First Mesa Consolidated Villiages(53590)

Lab Sample ID: 550-124017-1

Job ID: 550-124017-1

Client Sample ID: EP001 West Well #5 (53590-01)

Result Qualifier

0.016

Dil Fac D Method Prep Type
1 200.8 Total/NA

Client Sample ID: EP002 East Well #8 (53590-02)

Lab Sample ID: 550-124017-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.018		0.0010	 mg/L	1	****	200.8	Total/NA

RL

0.0010

Unit

mg/L

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Phoenix

Client Sample Results

Client: Mohave Environmental Laboratory

Project/Site: First Mesa Consolidated Villiages(53590)

Client Sample ID: EP001 West Well #5 (53590-01)

Client Sample ID: EP002 East Well #8 (53590-02)

Lab Sample ID: 550-124017-1

Matrix: Drinking Water

Job ID: 550-124017-1

Date Collected: 06/04/19 08:43 Date Received: 06/06/19 09:30

 Method: 200.8 - Metals (ICP/MS)
 Result Arsenic
 Qualifier
 RL
 Unit mg/L
 D 06/07/19 12:31
 Prepared O6/11/19 23:36
 Analyzed Dil Factor

Lab Sample ID: 550-124017-2

Matrix: Drinking Water

Date Collected: 06/04/19 09:05 Date Received: 06/06/19 09:30

 Method: 200.8 - Metals (ICP/MS)
 Result Arsenic
 Qualifier
 RL
 Unit mg/L
 D 06/07/19 12:31
 Prepared Analyzed 06/11/19 23:38
 Dil Factor

Eurofins TestAmerica, Phoenix

QC Sample Results

Client: Mohave Environmental Laboratory

Project/Site: First Mesa Consolidated Villiages(53590)

MR MR

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: N/B 550-180159/1-A

Matrix: Water

Arsenic

Analysis Batch: 180636

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 180159

Job ID: 550-124017-1

		MB MB									_	
Analyte	Res	sult Qualifier	RL		Unit		D		epared	Analyze		Dil Fac
Arsenic	<0.00	010	0.0010		mg/L		1	06/01	7/19 12:31	06/11/19 2	2:53	1
1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 .	Nazolo A					Gl	iont	San	nole ID:	Lab Cont	roi Sa	ample
Lab Sample ID: LCS 550-18(3 4 13 13 1 13 ° 19 4									Prep Typ	e: Toi	tal/NA
Matrix: Water										Prep Bat		
Analysis Batch: 180636			Spike	100	LCS					%Rec.		
			Added		Qualifier	Unit		D	%Rec	Limits		
Analyte				0.0959		mg/L		-	96	85 - 115		
Arsenic			0.100	0.0959		mgru			50	00 - 110		
Lab Sample ID: LCSD 550-1	enamola_A					llent:	Sam	ple	ID: Lab	Control S	iampi	e Dup
	00100122							•		Prep Typ	e: To	taVNA
Matrix: Water										Prep Bal		
Analysis Batch: 180636			Spike	LCSD	LCSD					%Rec.		RPD
Analyte			Added		Qualifier	Unit		а	%Rec	Limits	RPD	Llmit
Arsenic			0.100	0.0940		mg/L			94	85 - 115	2	20
								2°58	Sant Car	nple ID: W	Saveiv	Snika
Lab Sample ID: 550-123955-	-8-5-A MS							8,03	36111 961	Prep Typ		
Matrix: Water												
Analysis Batch: 180636										Prep Ba	man i	phica
	Sample	Sample	Spike		MS					%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit		D	%Rec	Limits		
Arsenic	0.011		0.100	0.107		mg/L			96	70 - 130		
	es es es 3,000	es				Ollas	nt Sa	1 (1 () () () () () () () ()	de IO: M	atrix Spik	e Dui	olicate
Lab Sample ID: 550-123955-	-15-0-13 1810 -15-0-13 1810	IJ				10035100	530 000	canago	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Prep Typ	a: To	taWNA
Matrix: Water										Prep Ba		
Analysis Batch: 160636		A. aula	Cuiles	MSD	MSD					%Rec.		RPD
	Sample	7	Spike		WISD Qualifier	Unit		D	%Rec	Limits	RPD	
Analyte		Qualifier	Added						96	70 - 130	0	
Arsenic	0.011		0.100	0.107		mg/L			JU	,0-100	•	20

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QC Association Summary

Client: Mohave Environmental Laboratory

Project/Site: First Mesa Consolidated Villiages(53590)

Metals

Prep Batch: 180159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-124017-1	EP001 West Well #5 (53590-01)	Total/NA	Drinking Water	200.8	
550-124017-2	EP002 East Well #8 (53590-02)	Total/NA	Drinking Water	200.8	
MB 550-180159/1-A	Method Blank	Total/NA	Water	200,8	
LCS 550-180159/3-A	Lab Control Sample	Total/NA	Water	200.8	
LCSD 550-180159/4-A	Lab Control Sample Dup	Total/NA	Water	200.8	
550-123955-B-5-A MS	Matrix Spike	Total/NA	Water	200.8	
550-123955-B-5-B MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

Analysis Batch: 180636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-124017-1	EP001 West Well #5 (53590-01)	Total/NA	Drinking Water	200.8	180159
550-124017-2	EP002 East Well #8 (53590-02)	Total/NA	Drinking Water	200.8	180159
MB 550-180159/1-A	Method Blank	Total/NA	Water	200.8	180159
LCS 550-180159/3-A	Lab Control Sample	Total/NA	Water	200.8	180159
LCSD 550-180159/4-A	Lab Control Sample Dup	Total/NA	Water	200.8	180159
550-123955-B-5-A MS	Matrix Spike	Total/NA	Water	200.8	180159
650 123055 B.5 B MSD	Matrix Spike Dunlicate	Total/NA	Water	200.8	180159

Eurofins TestAmerica, Phoenix

Job ID: 550-124017-1

Lab Chronicle

Client: Mohave Environmental Laboratory

Project/Site: First Mesa Consolidated Villiages(53590)

Client Sample ID: EP001 West Well #5 (53590-01)

Date Collected: 05/04/19 08:43 Date Received: 05/06/19 09:30 Job ID: 550-124017-1

Lab Sample ID: 550-124017-1

Matrix: Drinking Water

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			180159	06/07/19 12:31	SGO	TAL PHX
Total/NA	Analysis	200.8		1	180636	06/11/19 23:36	ARE	TAL PHX

Client Sample ID: EP002 East Well #8 (53590-02)

Date Collected: 06/04/19 09:05 Date Received: 06/06/19 09:30 Lab Sample ID: 550-124017-2

Matrix: Drinking Water

		Batch	Batch		Dilution	Batch	Prepared		
	Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
	Total/NA	Prep	200.8		***************************************	180159	06/07/19 12:31		TAL PHX
1	Total/NA	Analysis	200.8		1	180636	06/11/19 23:38	ARE	TAL PHX

Laboratory References:

TAL PHX = Eurofins TestAmerica, Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

Eurofins TestAmerica, Phoenix

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Accreditation/Certification Summary

Client: Mohave Environmental Laboratory

Project/Site: First Mesa Consolidated Villiages(53590)

Laboratory: Eurofins TestAmerica, Phoenix

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

uthority	Program		EPA Region	Identification Numb	
rizona	State Program	n	9	AZ0728	06-09-20
The following analytes the agency does not compared to the com	are included in this report, b	ut the laborator	/ is not certified by t	he governing authority.	This list may include ánalytes for v
Analysis Method	Prep Method	Matrix	Anal	yte	A Personal Property of the Personal Property o
evada	State Program		9	AZ01030	07-31-19
The following analytes the agency does not o	s are included in this report, b	out the laborator	y is not certified by t	he governing authority.	This list may include analytes for v
Analysis Method	Prep Method	Matrix	Anal	yte	

Eurofins TestAmerica, Phoenix

Job ID: 550-124017-1

Method Summary

Client: Mohave Environmental Laboratory

Project/Site: First Mesa Consolidated Villiages(53590)

Job ID: 550-124017-1

*A . 13!	\$8ath of Francistics	Protocol	Laboratory
Method	Method Description	EPA	TAL PHX
200.8	Metals (ICP/MS)	EPA	TAL PHX
200.8	Preparation, Total Metals		

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL PHX = Eurofins TestAmerica, Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

Eurofins TestAmerica, Phoenix

17461 Derian Avenue, Suite 100, fryne CA 92614-3817 (949) 261-1022 / FAX (949) 269-3297 4625 E. Colon Center Blyd., Suite 149, Phoenis, AZ 85040 (662) 437-33-40 / FAX (660) 659-7622

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Bullhoad City, AZ 86429	1,00	70#						-/		
	Shella Poff	Phone Number		(928) 754-8101	oranagad (na an indirect the
		Email	shella@mohavelabs.com	labs com						***************************************
Sampler A. Sakeva Jr.	W.	radmuki xe j		(928) 754-8103						
Sample Description Sample Mattix	Container Type	C *	Sampling Date/Time	uoyekkasaud	As-200 8				Special Instructions	
EPC) West Well #5	0	>	644/198/43/AM	HNO3	×				53590-01	
	p		6/4/19 9:05 AM	HNO3	×				53590-02	
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6/14/2019

20 0 0

Login Sample Receipt Checklist

Client: Mohave Environmental Laboratory

Job Number: 550-124017-1

List Source: Eurofins TestAmerica, Phoenix

Login Number: 124017

List Number: 1

Creator: Maycock, Lisa

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

SW = Surface Waiter MW = Monitoring Well General General C = Composite C = Composite General DATE TIME DATE TIME No. CONTAIN SAMPLE TYPE SAMPLE TYPE Sodium Hydr Nitric Acid Hydrochloric SAMPLE TYPE Sodium Hydr Nitric Acid Hydrochloric SAMPLE TYPE Received By: Date/Time:
Received By: Other: Continue Continue
Solum Hydrochloric
Other: DATE TIME No. CONTAIN COMPOSITE/ SAMPLE TYPE SAMPLE TYPE Sodium Hydrochloric No. Sodium Hydrochloric No. Contain No
DATE OF BY THE BOOK OF THE BOO
Sodium Thios Sodium Hydrochloric Sulfuric Acid Hydrochloric
Other: DATE No. CONTAIN COMPOSITE/ SAMPLE TYPE Unpreserved Sodium Thios Sodium Hydr Nitric Acid Hydrochloric Hydrochloric
Other: DATE No. CONTAIN COMPOSITE/ SAMPLE TYPE Sodium Hydr Nitric Acid Hydrochloric Hydrochloric
Other: G=Grab No. CONTAIN No. COMPOSITE/ SAMPLE TYPE Sodium Thios Sodium Hydrochloric Hydrochloric Hydrochloric
Other: Read Other:
Other: Other: DATE No. CONTAIN COMPOSITE/ SAMPLE TYPE SAMPLE TYPE Sodium Hydr Nitric Acid Hydrochloric Sulfuric Acid Hydrochloric
Other: Radio Other
DATE No. CONTAIN COMPOSITE/ SAMPLE TYPE Unpreserved Sodium Thios Sodium Hydr Nitric Acid Hydrochloric
G Other: Read of the contain of the
Other: Take according to the served on Thios on Hydra Acid chloric
TW = mazarucou yrazir N E/ PE ed jos dir id
ER GR
AB (C/
(G)
TALLANGE TO THE PARTY OF THE PA
Requested Tur
F3(025) 7737 - 2.541
.com
Suite A Suite A Bullhead City, AZ 86429
200 N. 2nd St.

Note: By relinquishing samples to Mohave Environmental Laboratory, client agrees to pay for the services requested on this chain of custody for and any additional analyses

Received in Lab By:

Date/Time:

nerformed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

Courier Delivered: Y

(A) Relinquished By:

ED_005149_00040355-00015